

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (currently amended): A computer-implemented method of displaying device port information in a network topology display, comprising:

displaying a device node in a network topology display, said displayed device node representing a connection device in a network, said connection device having one or more connection ports for connecting to one or more devices in the network;

displaying one or more connection paths coupled to the displayed device node, said connection paths representing connections to the one or more ports of the connection device; and

selectively expanding the displayed device node in response to a user selection of the device node, wherein the expanded node includes port information for each of the one or more ports having a connection to another device in the network corresponding to the connection paths.

Claim 2 (original): The computer-implemented method of claim 1, wherein the displayed device node represents a connection device selected from the group consisting of a switch, a hub, and a router.

Claim 3 (original): The computer-implemented method of claim 1, wherein the port information includes the port number.

Claim 4 (original): The computer-implemented method of claim 1, wherein the port information includes a port connection type indicator.

Claim 5 (currently amended): The computer-implemented method of claim 1, wherein the selectively expanding includes displaying a connection bar and displaying the port information proximal the connection bar for ~~each of~~ the one or more ports having a connection.

Claim 6 (original): The computer-implemented method of claim 5, wherein the displayed port information for each port is displayed proximal the connection bar in a location indicating the relative location of the corresponding connected device in the network topology display.

Claim 7 (original): The computer-implemented method of claim 1, wherein the displayed device node represents the connection device and one or more devices connected to the connection device.

Claim 8 (currently amended): A computer-implemented method of displaying device port information in a network topology display, comprising:

displaying a device node in a network topology display, said displayed device node representing a connection device in a network, said connection device having one or more connection ports for connecting to one or more devices in the network;

displaying one or more connection paths coupled to the displayed device node, said connection paths representing actual network connections to the one or more ports of the connection device; and

responsive to a user selection of the device node, displaying port information for each of the one or more ports having an actual connection to another device in the network corresponding to the displayed connection paths, wherein the displayed port information comprises a port number and a port connection type indicator.

Claim 9 (original): The computer-implemented method of claim 8, wherein the displayed device node represents a connection device selected from the group consisting of a switch, a hub, and a router.

Claims 10 and 11 (canceled)

Claim 12 (original): The computer-implemented method of claim 8, wherein displaying port information includes displaying a connection bar and displaying the port information proximal the connection bar for each of the one or more ports having an actual connection.

Claim 13 (original): The computer-implemented method of claim 12, wherein the displayed port information for each port is displayed proximal the connection bar in a location indicating the relative location of the corresponding connected device in the network topology display.

Claim 14 (original): The computer-implemented method of claim 8, wherein the user selection is performed by the user using a computer mouse.

Claim 15 (original): The computer-implemented method of claim 8, wherein the user selection includes selecting the displayed device node with a user input device.

Claim 16 (original): The computer-implemented method of claim 8, wherein the user selection includes selecting a show ports option from a menu of options.

Claim 17 (original): The computer-implemented method of claim 16, further comprising displaying the menu of options in response to a user selection of the displayed device node.

Claim 18 (original): The computer-implemented method of claim 8, further comprising removing the displayed port information from the display in response to a user selection to remove port information.

Claim 19 (original): The computer-implemented method of claim 8, wherein the displayed device node represents the connection device and one or more devices connected to the connection device.

Claim 20 (currently amended): A computer readable medium containing instructions for controlling a computer system to selectively display device port information for a connection device in a network topology display, by:

displaying a device node in a network topology display, said displayed device node representing a connection device in a network, said connection device having ~~one or more~~ connection ports for connecting to one or more devices in the network;

displaying one or more connection paths coupled to the displayed device node, said connection paths representing actual network connections to the one or more ports of the connection device; and

responsive to a user selection of the device node, displaying port information for each of the ~~one or more~~ ports, the port information comprising an indication of the ports having an actual connection to another device in the network and the ports having no connection.

Claim 21 (original): The computer readable medium of claim 20, wherein the connection device is one of a switch, a hub and a router.

Claim 22 (original): The computer readable medium of claim 20, wherein the network is a storage area network (SAN).

Claim 23 (original): The computer readable medium of claim 20, wherein the instructions for displaying port information includes instructions for displaying a connection bar and displaying the port information proximal the connection bar for each of the one or more ports having an actual connection.

Claim 24 (original): The computer readable medium of claim 23, wherein the instructions for displaying the port information include instructions for displaying the port information for each port proximal the connection bar in a location so as to indicate the relative location of the corresponding connected device in the network topology display.

Claim 25 (new): A method for displaying device port information in a network topology display, comprising:

- displaying a network topology display comprising device node representing a connection device in a physical network, the connection device comprising a plurality of connection ports for connecting to other devices in the network;

- in the network topology display, displaying one or more connection paths coupled to the displayed device node, said connection paths representing connections from the other devices to a portion of the connection ports of the connection device;

- receiving a user selection of the device node in the network topology display; and

- in response to the receiving of the user selection, modifying the displayed network topology display to include an expanded view of the displayed device node, wherein the expanded view includes port information for the portion of the connection ports having the connection paths to the other devices in the network and wherein the port information for the portion of the connection ports is displayed in locations in the expanded view indicating relative locations in the network topology display of the other devices connected to the device node.

Claim 26 (new): The method of claim 25, wherein the port information corresponding to the portion of the connection ports is displayed within the expanded view at elevations corresponding to elevations in the network topology display of the other devices connected to the device node.

Claim 27 (new): The method of claim 25, wherein the expanded view further comprises port information for the connection ports of the device node that are not connected to the other devices in the network.

Claim 28 (new): The method of claim 25, wherein the port information is selected from the group of port information consisting of port number, port type, and port state.

Claim 29 (new): The method of claim 28, further comprising receiving a user-input configuration request defining a subset of the group of port information to include in the displayed port information, and wherein the displayed port information is configured to comprise the subset.